

**ABSTRACT OF THE DISCLOSURE**

5           An electromagnetic immune tissue invasive system includes a primary  
device housing. The primary device housing having a control circuit therein.  
A shielding is formed around the primary device housing to shield the  
primary device housing and any circuits therein from electromagnetic  
interference. A lead system transmits and receives signals between the  
10           primary device housing. The lead system is either a fiber optic system or an  
electrically shielded electrical lead system.